# METHOD AND APPARATUS FOR INSERTING EMPTY MEMORY CELLS INTO A DATA FLOW OF NETWORK CONNECTIONS OF A COMPUTER NETWORK

## ABSTRACT

A method and an apparatus are provided for inserting

5    empty memory cells into a data flow of network connections of a computer network.  In one example, the method includes receiving an insertion request for an empty memory cell to be inserted into the data flow.  A base connection identification (CID) associated with the insertion request is also received.

10    An appropriate insertion scheme for carrying out the insertion request is determined.  Based on the appropriate insertion scheme, the insertion request is sent to an insertion device that is configured to insert the empty memory cell into the data flow.  The memory cell is inserted prior to traffic

15    shaping of the data flow.

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